A 13-year-old girl with generalized tonic and grand mal seizures had brain MRI that revealed subcortical band heterotopia (SBH) (figure 1). Twenty-four-hour EEG showed pervasive generalized slow spike and wave pattern (figure 2). Blood DNA confirmed a mutation in the doublecortin (DCX) gene. Interictal 18-fluoro-deoxy (FDG) PET showed reduced FDG uptake (~10%) in the cerebral cortex and intensely increased uptake (~20%) in the subcortical band (figure 1), suggesting epileptogenic subcortical band correlating with pervasive slow spike wave pattern on simultaneous EEG. Two PET reports\(^1\,^2\) showed similar or minor increased FDG uptake in the heterotopic band compared to the cerebral cortex.

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